**Experiment No. : 3**

**Title:** Virtual lab on Kruskal’s algorithm to construct  minimum spanning trees

**Batch: B2 Roll No.: 1914078 Experiment No.:3**

**Aim:** Explore the virtual lab on Kruskal’s algorithm to construct minimum spanning trees.

**Resources needed:**

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**Kruskal Algorithm**

**Introduction :**

**Algorithm/Procedure :**

**Observations from Simulation:**

**Self evaluation :** Solve both Kruskal Quiz and Analysis quiz and Display the result of your first attempt.

**Analysis of Algorithm (Time and Space complexity) :**

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**Activity:** Search IIITH virtual lab, study and write some primary observation. Complete the writeup.

**Outcome:**

**Conclusion: (Based on the observations):**

**References:**

**Books/ Journals/ Websites:**

1. Richard E. Neapolitan, " Foundation of Algorithms ", 5th Edition 2016, Jones & Bartlett Students Edition
2. T.H. Coreman ,C.E. Leiserson,R.L. Rivest, and C. Stein, " Introduction to algorithms", 3rd Edition 2009, Prentice Hall India Publication
3. https://ds2-iiith.vlabs.ac.in/exp/min-spanning-trees/exp.html#MST%20Experiment